

HORSEMAN[®]
ROLL FILM HOLDER

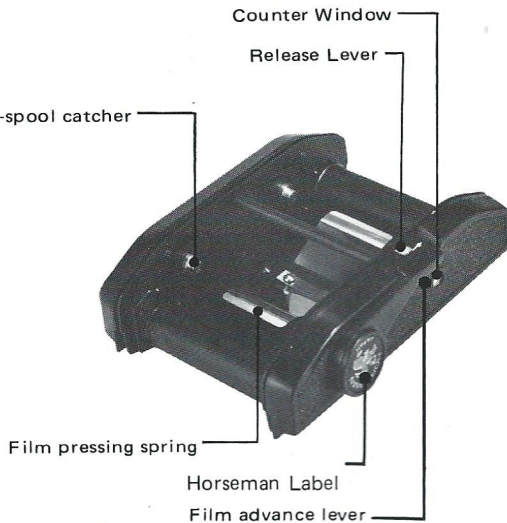
OWNER MANUAL

NAME OF THE PARTS

BASE



CARRIER



SPECIFICATIONS

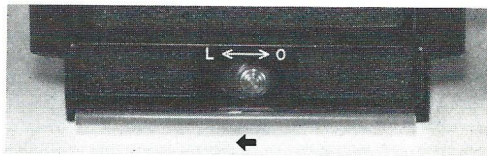
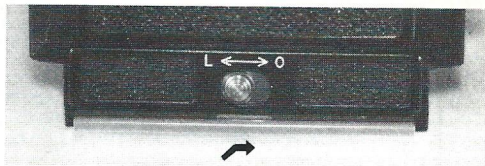
	Model 1 Model 451	Model 2 Model 452	Model 3 Model 453	Model 4 Model 454
1. Film	120 roll film	120 roll film	220 roll film	220 roll film
2. Nominal Picture Size	6 x 9 cm	6 x 7 cm	6 x 9 cm	6 x 7 cm
3. Actual Picture Size	56 x 82 mm	56 x 68 mm	56 x 82 mm	56 x 68 mm
4. Exposures	8 exp.	10 exp.	16 exp.	20 exp.
5. Color of Horseman Label	Black	Red	Yellow	Green
6. Dimensions & Weight	143 x 101 x 47 mm 420 grams (Model 1, 2, 3, 4) 173 x 121 x 47 mm 530 grams (Model 451, 452, 453, 454)			
7. Distance from film surface to plate of lens side	4.7 mm			
8. Film Advance Stroke	2 times, Ratchet advancing available			
9. Special Devices	Automatic film counter Film indicator on the cover Combination of two main sections (Base section & Carrier section)			

TO OPEN AND CLOSE THE COVER

Push and slide the lock button to '→ O' direction and lock is released

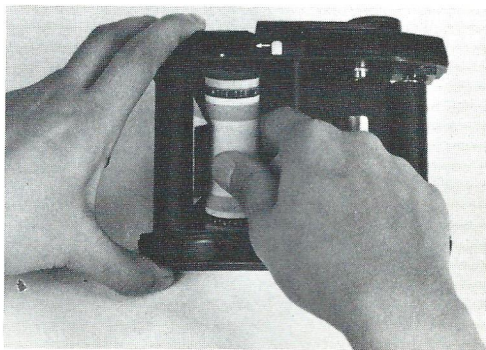
Close the cover and do the opposite direction and is locked.

NOTE: Be sure to check the lock button, pushed is returned back.



TO LOAD A TAKE-UP SPOOL

Insert a take-up spool toward the spring catch at the bottom. Then it will snap back into the spool catch on the upper side in a line with a film transport lever. The operation can be done with only one hand.

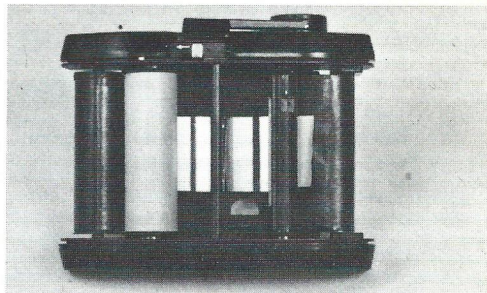


TO LOAD THE ROLL FILM

Open the cover and take the carrier out of the base. Insert a fresh roll film in the left storing place. The film must be positioned correctly, so that inside of the backing paper faces you (Black side).

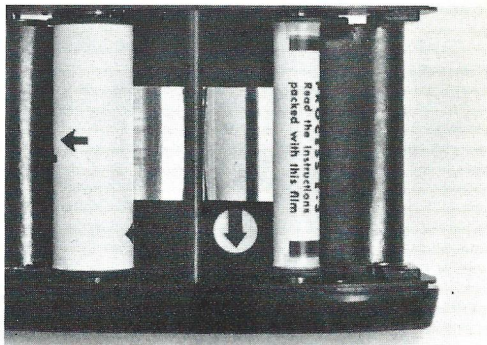
Pass the backing paper over the left roller and accross the right roller.

Position the foremost end of Backing paper into the slot of the take-up spool.



TO INTRODUCE THE STARTING MARK

Turn the film transport lever until the film warning line or arrow on the backing paper appears in the open window, just below the take-up spool and stop.



TO TRANSPORT THE WINDING LEVER

Turn the film transport lever in 6 to 7 strokes until it stops.

The first exposure frame is now in position and the film counter window shows '1'.

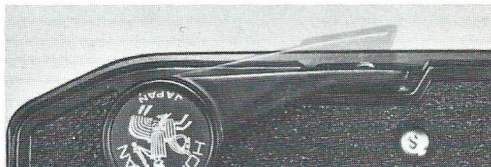
After exposed, thrust the film counter button towards the arrow direction and then wind the lever in about 2 strokes till stops.

Now it introduces the next exposure frame and the next counter number appears in the window.

After the last exposure, continue to operate the film transport lever in 7 strokes until the entire film and backing paper are on the take-up spool completely.

And then open the cover and take out the exposed film.

NOTE: After advance the film, film transport lever returns back a little away from its original position. However, push it back all the way to its position in order to operate film counter button.



SPECIAL INSTRUCTION

Tear off the paper flap of the film box and insert it into the film indicator pocket in order to remember the type of the film inside.

The carrier section of this roll film holder can be mounted in two methods.

One is that of the transport lever in upper right. The other is with the lever in on bottom left.

IMPORTANT CAUTION

If the film counter button is operated after only one winding stroke of the transport lever, the transport mechanism does not work any more.

Therefore in this case, advance the transport lever, keeping the counter button all the way to the arrow direction.

Then, you will have again the normal operation after missing only one exposure frame.

- * The pictures herein are of Model 1.
- * "HORSEMAN" is a registered trademark of Komamura Photographic Co., Ltd., Japan.
- * Specifications are subject to change without notice.



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